SAMSUNG

SAMSUNG TECHWIN

VIDEO PRESENTER

USER'S MANUAL

SVP-5300

CONTENTS

SAFETY PRECAUTIONS

Follow these safety instructions when setting up and using your Video Presenter:

1. Do not place the presenter on an unstable cart, stand, or table

2. Do not use the presenter near water or sources of heat.

3. Use the type of power source indicated on the presenter. If you are not sure of the power available, consult your dealer or power company.

4. Place the presenter near a wall outlet where the plug can be easily unplugged.

5. Take the following precautions for the plug. Failure to comply with these precautions could result in sparks or fire:
Do not insert the plug into an outlet with dust present. Insert the plug firmly into the outlet.

6. Do not overload wall outlets, extension cords, or integral convenience receptacles. This can cause fire or electric shock.

7. Do not place the presenter where the cord can be walked on. It may result in fraying or damage to the plug.

8. Unplug the presenter from the wall outlet before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

9. Do not block the slots and openings in the presenter case. They provide ventilation and prevent the presenter from overheating. Do not put the presenter on a sofa, rug, or other soft surface or in a built-in installation, unless proper ventilation is provided.

10. Never push objects of any kinds through cabinet slots. Never spill liquid of any kinds into the presenter.

11. Except as specifically explained in this User's Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.

12. Unplug the presenter during lightning storms or when it will not be used for extended periods.

13. Do not place the presenter and remote controller on top of heat-producing equipment or in a heated place, such as a car.

14. Unplug the presenter from the wall outlet and refer servicing to qualified service personnel under the following conditions:
• When the power cord or plug is damaged or frayed.
• If liquid has been spilled into the presenter, or it has been exposed to rain or water.
• If it does not operate normally when you follow the operating instructions, or if it exhibits a distinct change in performance, indicating a need for service.
• If it has been dropped or the cabinet has been damaged.

15. Don't take the camera unit unfolded and turn to the leftmost or rightmost, or the presenter can fall upside down.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Thank you for purchasing this product.

Your video presenter can project a wide variety of items onto PC, TV (monitor) with simple handling. High resolution and definition ensures fine image quality.

Head Lamp

Lamp easily attachable

Automatic focusing

When you press the automatic focusing button, a precise focusing on the object can be performed. If automatic focusing is inadequate, you can focus manually.

Menu display on the screen

When you control the functions by use of remote controller or control panel, the controlling status will be displayed on the screen.
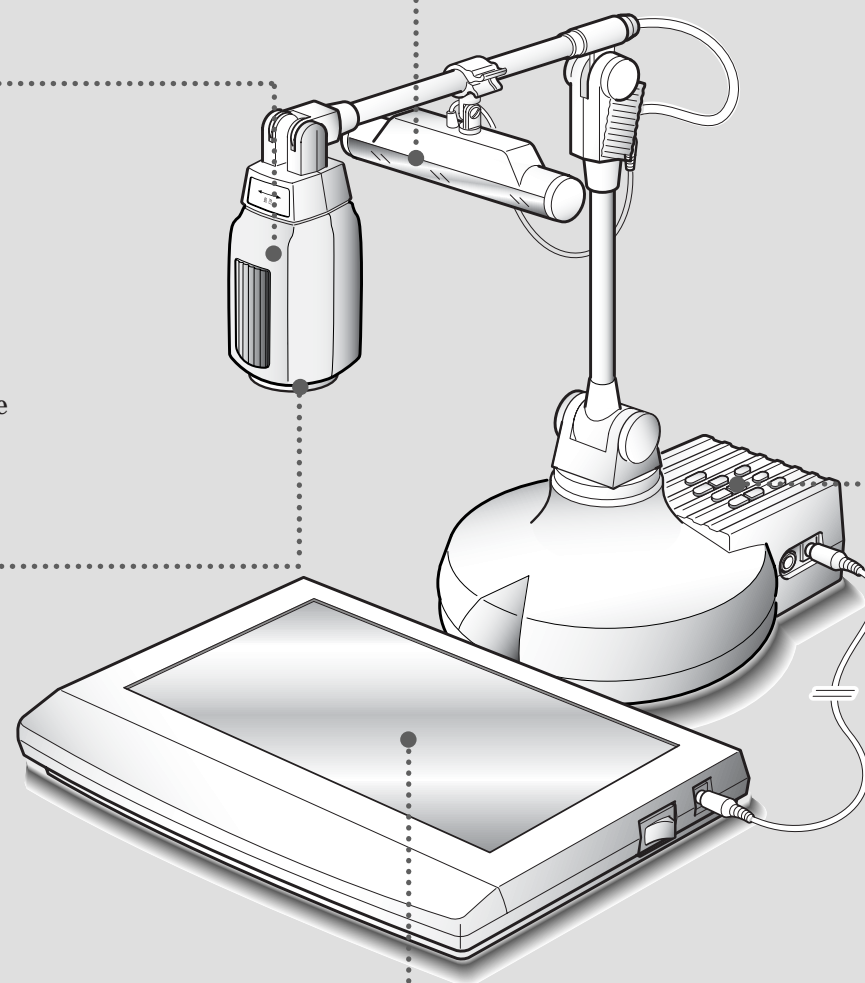
Free-angle camera head

The camera head can be freely rotated through 270° to right or left, 120° to top or bottom. You can see the surrounding objects and instruction as well as the data on the plate

Remote Controller

All the functions are controlled by use of remote controller.

Adapter lens

It is used to project the documents and films (positive/negative) closely.

Control panel

You can control main functions using the buttons on control panel built in the main body.

Easy flexible body

Each part can be bent and stretched so that you can project any type of objects easily.

Lightbox (Option)

This backlight illuminator is useful to project the slides or films. It is easily attached and removed.
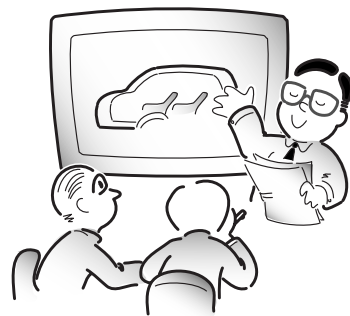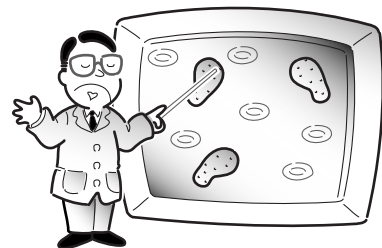
WHERE THE VIDEO PRESENTER IS NEEDED

Video conference

The video presenter display clearly the image of a real thing at hand as well as detailed data such as report, form, chart, etc. on the screen. Thus, the entire staffs concentrate on the same topic so you can manage the conference efficiently.
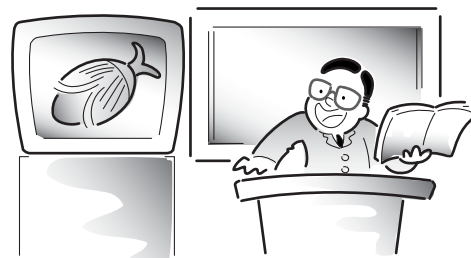
Medical or scientific research

You can use the image such as X-ray or slide as it is on your Video Presenter.
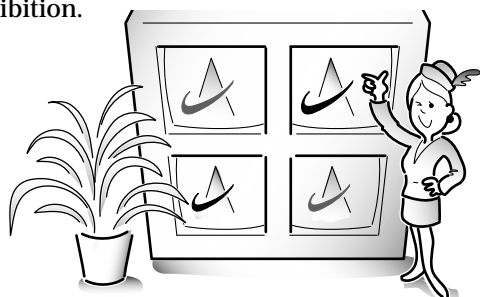
Education field

You can utilize the presenter as the audio-video aid which shows the printed materials like textbook, the visual data and even the products that the students made.
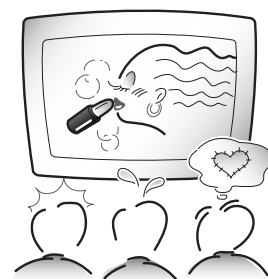
Presentation and Exhibition

It can create a powerful visual image by connecting to multi-vision at the new product presentation or exhibition.
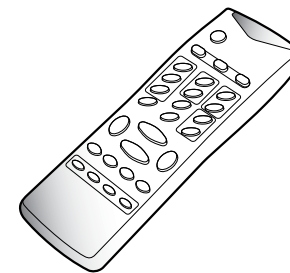
Design preview

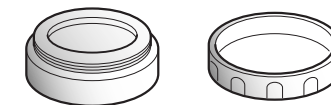Your Video Presenter may be effectively used to display the design artwork of a catalog or slide through imaging process.
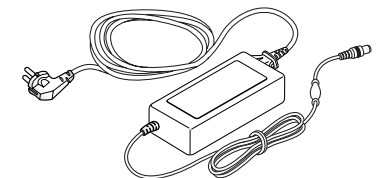
CHECKING PARTS

Accessories Supplied

Remote Controller

Adapter lens and lens cap

• They are attached to the main body at factory.

Adapter

Audio/Video cables
• Yellow jack: Video cable
• White jack: Audio cable

S-video cable
• Required to connect with a TV equipped with S-video terminal.

USB cable
• Required to connect to PC with USB-terminal.

User's manual
· User's manual · USB Capture program · CD for program
　　　　　　　　　User's manual 　　　　　　install

Head lamp
• Lamp easily attachable

Light box(Option)
• Required to display a slide or film

Carring bag

NAME AND FUNCTION OF PART

Front View

Head lamp connector
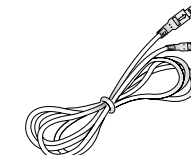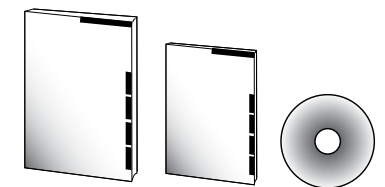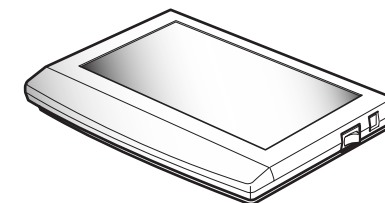Used to connect the head lamp with the body

Camera head
To rotate 120° to top or bottom, and 270° to right or left

Adapter lens
Used to display the close objects.

To receive the signal from remote controller

Connection terminals
(See page 9.)

Control panel
(See page 9.)

Lightbox connector
Used to connect the lightbox with the body (DC 15V, 600mA or less)

Microphone connector
It is a spot to join microphone with the Body.

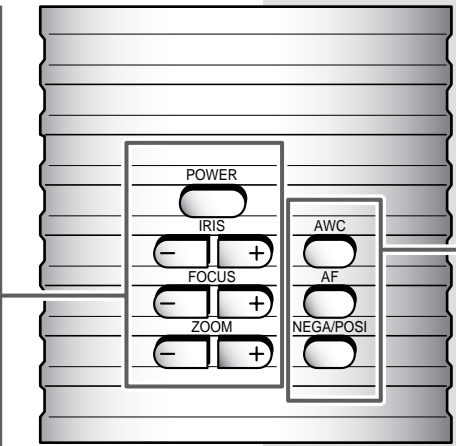## Control Panel

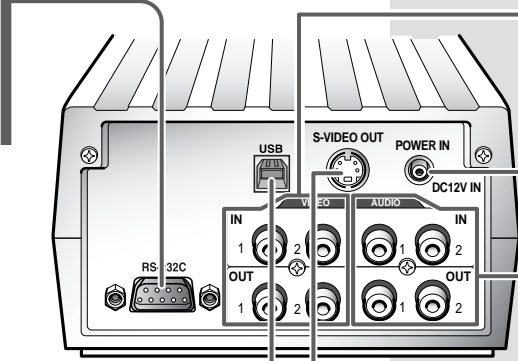You can find the same buttons on the remote controller. These buttons perform the same functions.

POWER button
Used to turn power on and off.

IRIS + / − button
Used to adjust the luminosity of image on the screen

FOCUS + / − button
Used to adjust the focus manually.

ZOOM + / − button
Used to adjust the size of image on the screen

POWER
IRIS
FOCUS
ZOOM
AWC
AF
NEGA/POSI

AWC button
Used to adjust the color (white balance) on the screen automatically

AF button
Used to set the focusing automatically

NEGA/POSI button
Used to convert the film as Positive/Negative

Connectors at the back side

RS-232C PC interface connectors
Used to connect with RS-232C cable.

USB   S-VIDEO OUT   POWER IN
DC12V IN
IN 1 2
OUT 1 2
AUDIO IN 1 2
OUT 1 2
RS-232C

Video IN jack 1/2
Connected to the video output terminals of TV or Video. Connect it when you want to see the image on your presenter and the one on another AV equipment alternately.

Video OUT jack 1/2
Connected to video input terminal of TV or monitor. Connect it when you want to send the image on your Video Presenter to TV or monitor. The signals from both jacks are equivalent.

Power IN jack
Used to connect the power cable of adapter.

Audio OUT jack 1/2
Connected with audio input terminal of TV or Video. Sound of microphone or external AV equipment will be output.

Audio IN jack 1/2
Connected with audio output terminal of TV or Video. Connect it when you want to hear the sound from another AV equipments.

USB OUT jack
Connected to the PC with USB terminal.
Connect it when you want to see the image on the PC screen with USB terminal.

S-video OUT jack
Connected to the TV with S-video input terminal.
Even though the external input is selected, it only send the image from the main body.

NAME AND FUNCTION OF PART

Remote Controller

Focus F/N button
Used to focus the image displayed on the video presenter manally

AF button
Used to focus the image displayed on the video presenter automatically

Reverse button
Used to put the image into reverse up/down or right/left

Freeze button
Used to freeze the image on the screen

SHARP + button
Used to see the image sharper

SHARP - button
Used to see the image duller

INT/EXT button
Used to select internal Image or external Image
Internal (INT): To see the image on this presenter
External (EXT): To see the image sent from another AV equipment through monitor (if connected to this presenter)

POSI/NEGA button
Positive (POSI): To see the general state or positive film
Negative (NEGA): To see the negative film

Lamp button
Used to turn the head lamp on and off

Power button
Used to turn power on and off

Volume +/- button
Used to increase or decrease the volume of microphone

AWC button
Used to adjust the screen color (white balance) automatically

RED+/-button and BLUE +/-button
Used to increase the red or blue color factor

WIDE button
Used to reduce the image size of an object

TELE button
Used to enlarge the image size of an object

BRIGHT + button
Used to make the screen brighter

BRIGHT - button
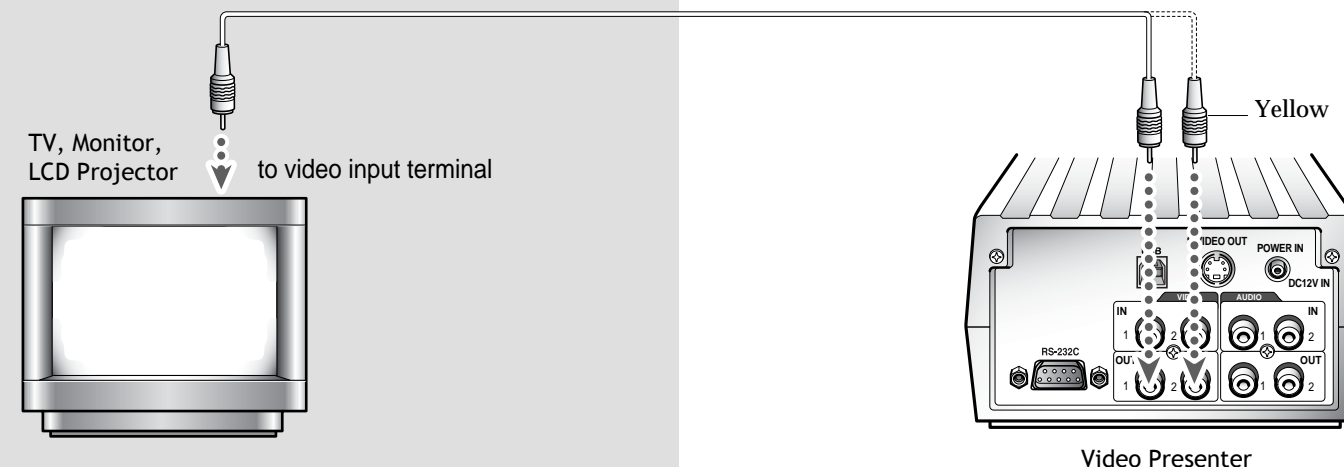Used to make the screen darker

Preset button
Used to save the current status (Zoom, Focus, Lamp, Color etc).
When you use the video presenter on another place, you need not to repeat the same procedures but the saved status will be automatically set only by pressing the "Active" button.
Select the button (1~4) and press it within 4 seconds after pressing "Save/Active" button.
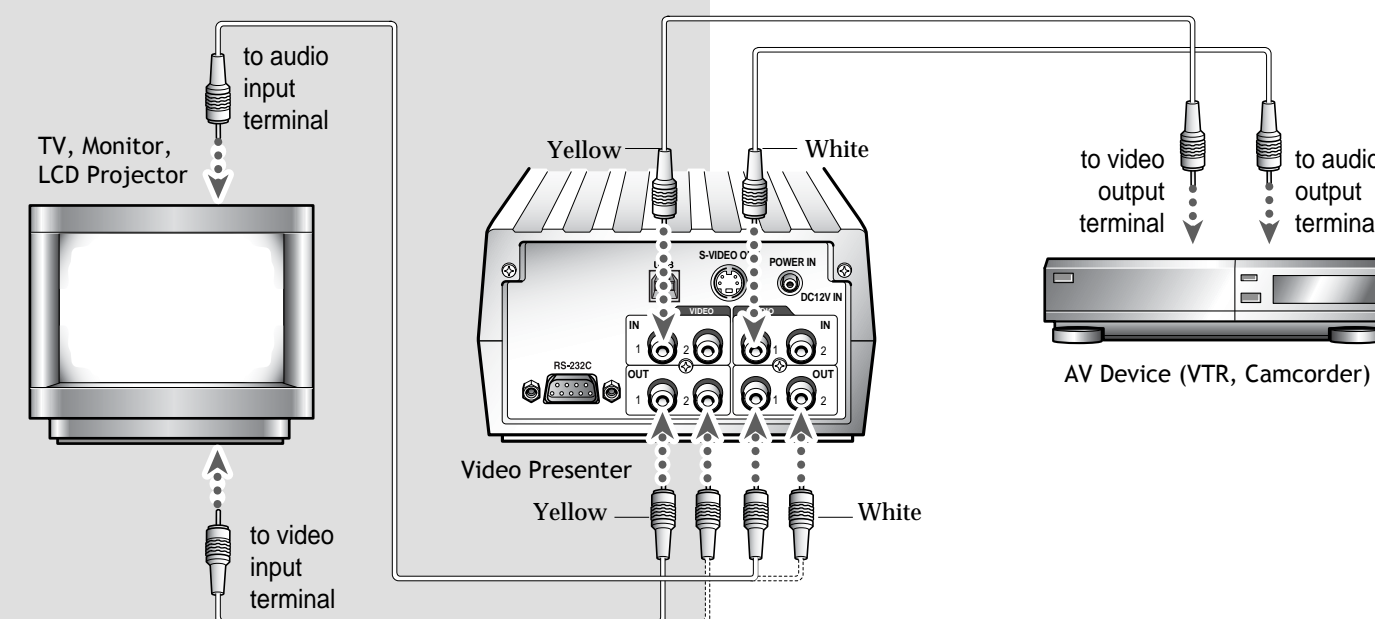
CONNECTION

● Use the white plug to connect audio terminal, and the yellow (or red) plug to connect video terminal.

To TV or Monitor

TV, Monitor, LCD Projector

to video input terminal

Yellow

Video Presenter

• You may use either 'Video OUT 1' or 'Video OUT 2' jack.

• Connect 'S-video OUT' terminal when you have a TV with S-Video terminal. If 'S-Video OUT' terminal is used, you can get more clear image, but the signal from external AV source will not be available.

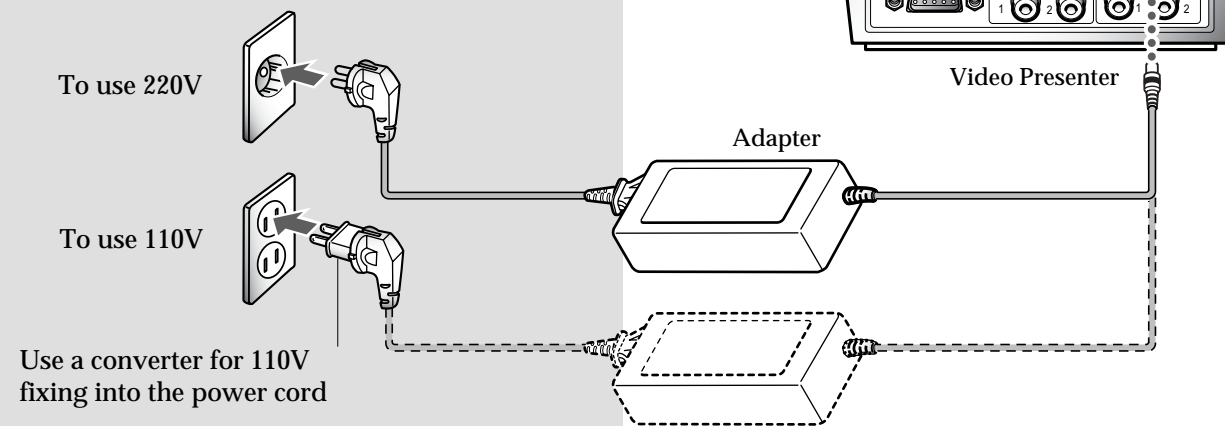• Connect 'RF output terminal' to TV with only RF terminal.
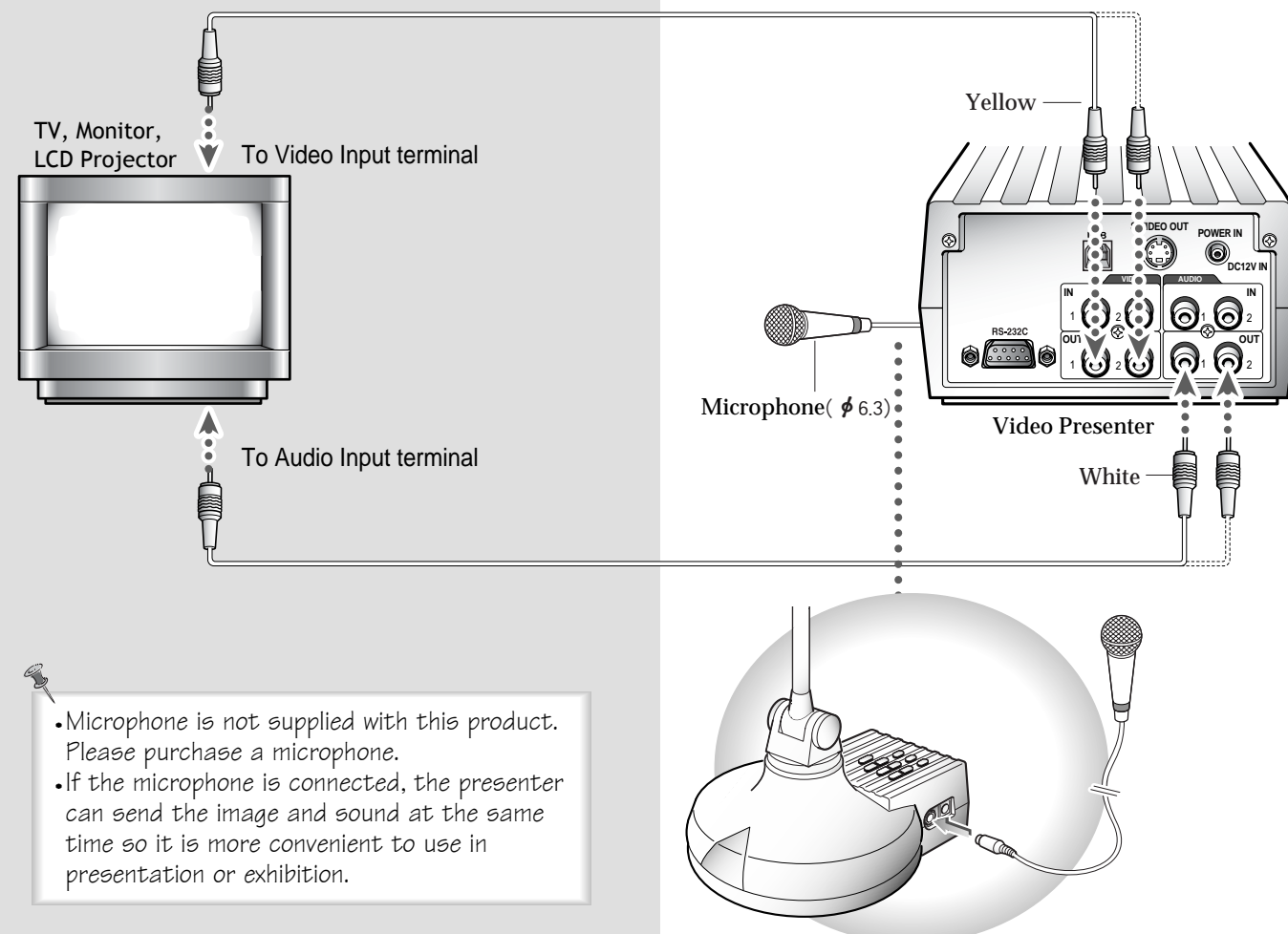
To TV or Monitor and External AV Device

to audio input terminal

TV, Monitor, LCD Projector

Yellow   White

to video output terminal   to audio output terminal

AV Device (VTR, Camcorder)

Video Presenter

Yellow   White

to video input terminal

CONNECTION

To Power Outlet

This video presenter can operate on free voltage (100~240V).

To use 220V

To use 110V

Use a converter for 110V fixing into the power cord

Adapter

Video Presenter

To Microphone

TV, Monitor, LCD Projector

To Video Input terminal
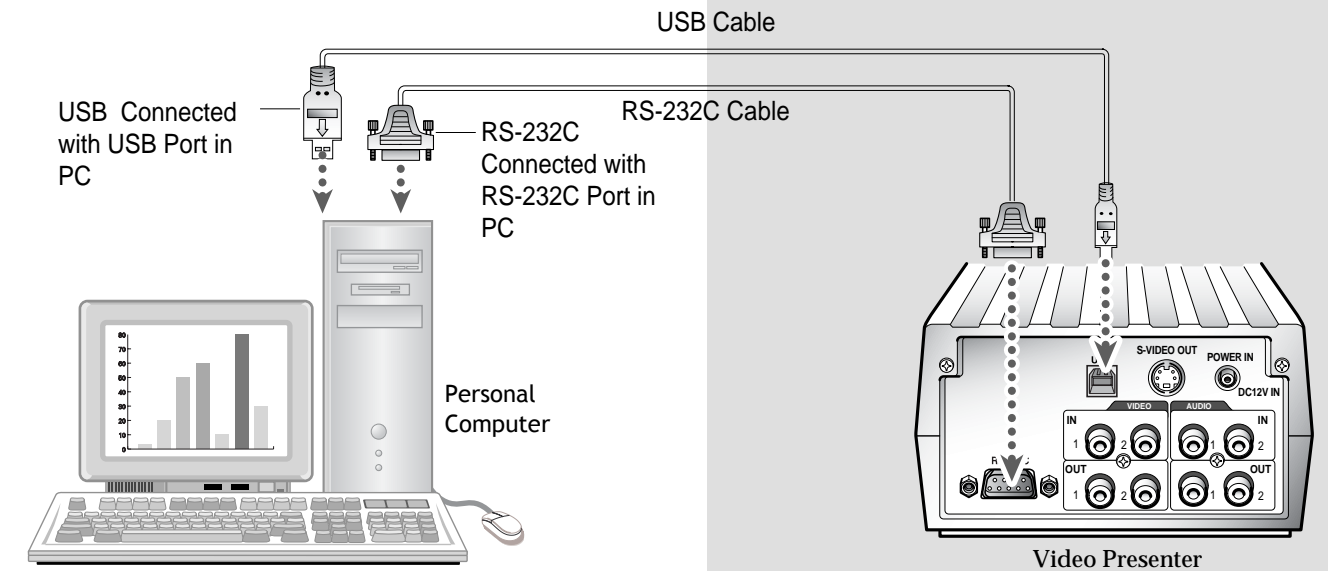
To Audio Input terminal
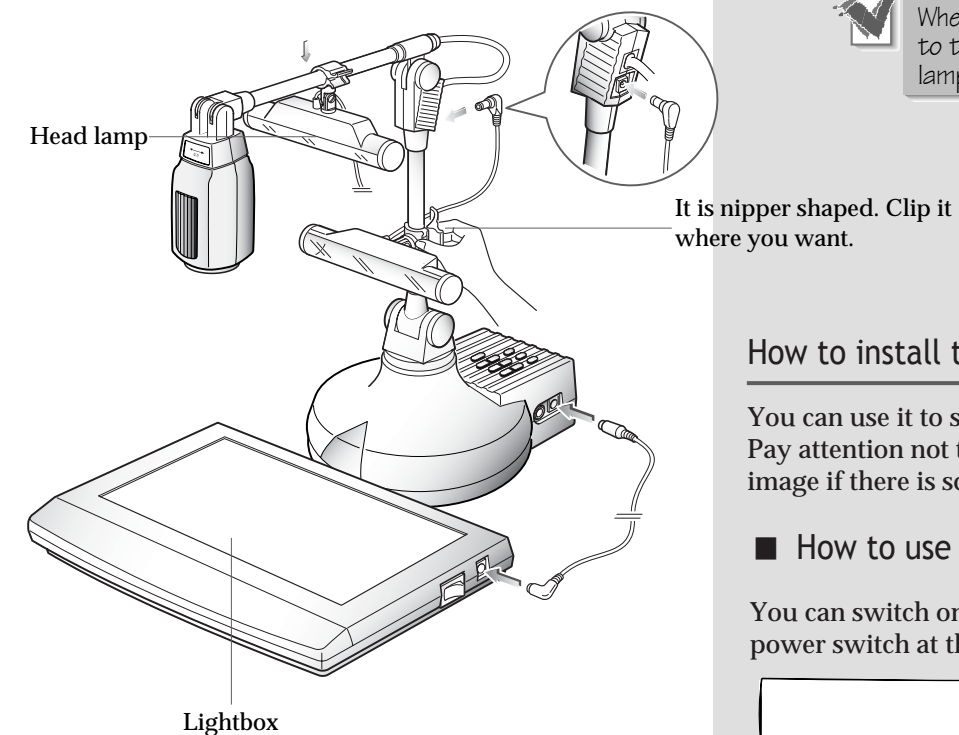
Yellow

Microphone(Ø 6.3)

Video Presenter

White

- Microphone is not supplied with this product. Please purchase a microphone.
- If the microphone is connected, the presenter can send the image and sound at the same time so it is more convenient to use in presentation or exhibition.

Connecting to PC

USB Cable

USB Connected with USB Port in PC

RS-232C Connected with RS-232C Port in PC

RS-232C Cable

Personal Computer

Video Presenter

How to install the Head Lamp
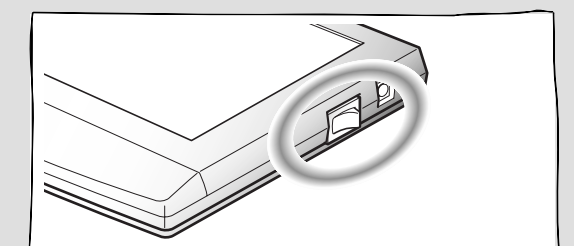
When the light of head lamp is projected to the script, it means that the head lamp is installed in this place.

Head lamp

It is nipper shaped. Clip it where you want.

How to install the Lightbox

You can use it to see the slides or negative films. Pay attention not to scratch. You cannot see the clear image if there is scar.
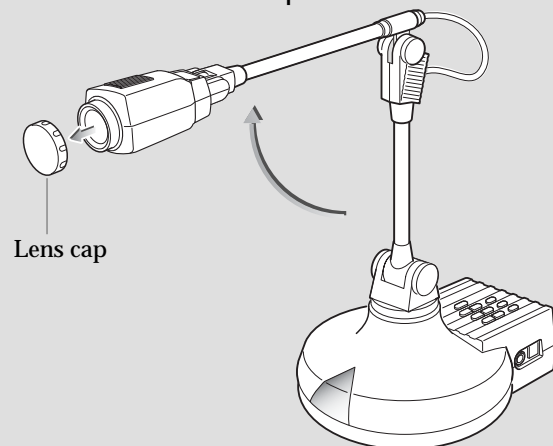
■ How to use

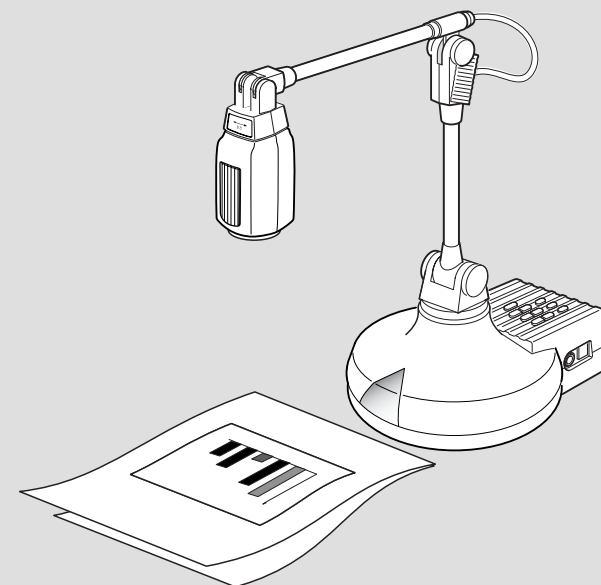You can switch on and off the Lightbox by using the power switch at the side.

Lightbox

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OPERATION

1. Stretch the camera head as shown and remove the lens cap.

Lens cap

- Make sure the adapter lens is properly attached. If not, attach it.

2. Make the camera lens facing the script.

> The image will be reversed if the camera lens is facing forward.
> In this case, adjust the camera head angle by turning to right or left, or press the image [Reverse] button.

3. Press the **POWER** button.

- You may press POWER button on the control panel.
- The message of "Please wait" will appear on the screen in a few seconds, and the projected image will be displayed on the presenter.

> When the presenter is connected with TV, select the external video input. If connected to TV with RF terminal, set the TV channel to CH4.
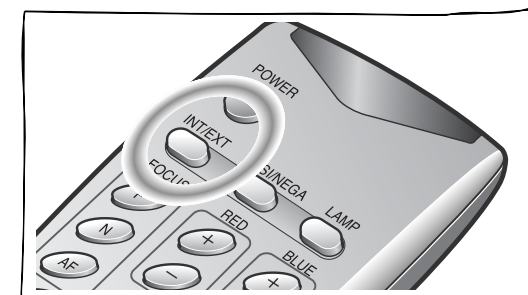
When the adapter lens is required

- Adapter lens is required when you project the copies, documents or films (positive/negative) on the desktop or lightbox. (Focusing distance with adapter lens attached: 24~32cm)
- Adapter lens may not be required if you use it for another purposes. (Focusing distance without adapter lens: 80cm~∞)
- Make sure the adapter lens is attached and pay attention to the distance between body and object. You cannot focus on the object properly when the distance between object and camera is out of focusing range stated above.

Using Control Buttons

■ Choosing INT/EXT signal

- Whenever you press the button, INT and EXT appear alternately on the screen.

> If there is no external AV device connected to the presenter, EXT will not appear even though you press [INT/EXT] button.

- INT: To see the image through this presenter
- EXT: To see the image and hear the sound from external AV device through TV or Monitor connected with this presenter when external AV device is connected to the terminal of 'video input' and 'audio input' in the video presenter.
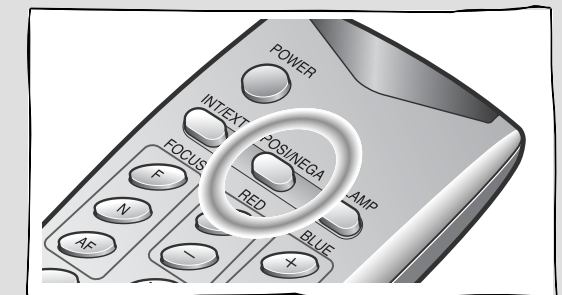
■ Turning Light On/Off

While the presenter is powered on, press the [LAMP] button to turn the head lamp on and off.
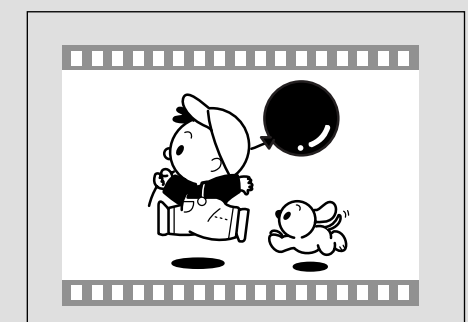

The light box is turned on as defalt.
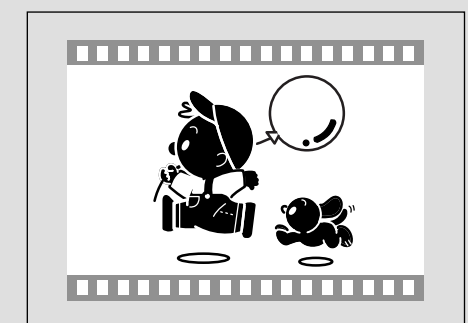You can also use the switch of light box.

■ Switching Positive/Negative

- Whenever you press the button, POSI and NEGA will appear alternately on the screen.
- POSI: To see the normal script or picture
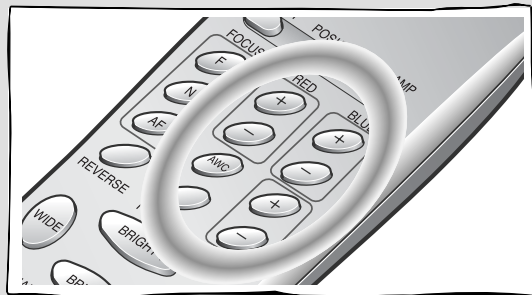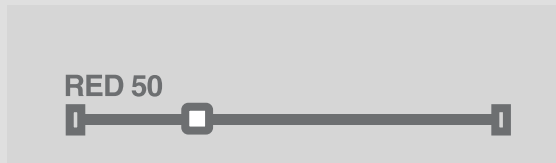- NEGA: To see the negative film

▲ POSITIVE

▲ NEGATIVE

OPERATION

■ Adjusting Color

- If you press [AWC] button, color will be adjusted automatically. To obtain the best result, put the camera lens facing white paper and press [AWC] button.

- If you want to fine adjust, press [RED+/-] or [BLUE+/-] button. Press [RED+/-] button to adjust the red factor strongly, and [BLUE+/-] button to adjust the blue factor strongly.
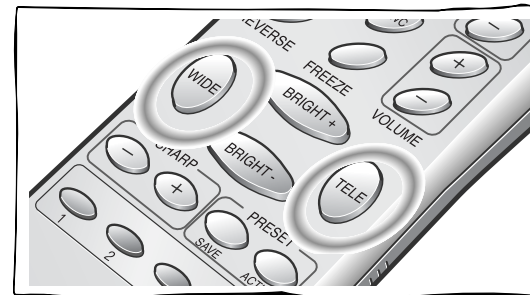
The color level will be displayed on the screen.
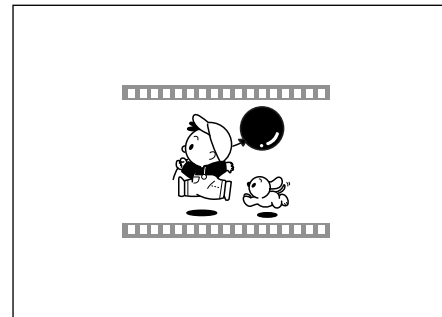
```
RED 50
```

■ Image Reverse and Image Freeze

- Image reverse
Press [Reverse] button to make the image reverse.
mirror → flip → flip + mirror → normal
[(reverse right/left)→ (reverse up/down)→
(reverse right/left and up/down)→ (normal)]

- Image freeze
When you press [Freeze] button, the image is held on the screen. It is convenient to replace the script or picture with next one.
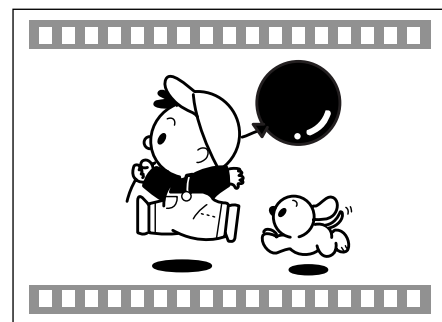If you press [Freeze] button again, the freezing mode will be released.

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■ Zooming

- Press [Wide] or [Tele] button on the remote controller or [zoom+] or [zoom-] on the control panel.
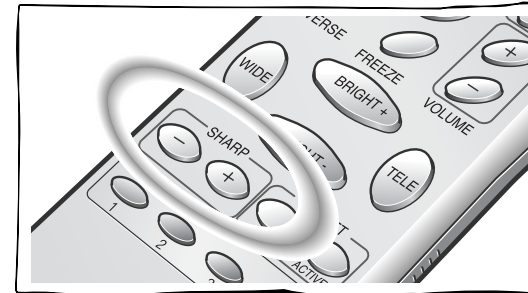

▲ Wide (Zoom -)

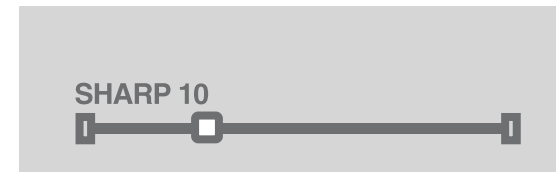▲ Tele (Zoom +)

■ Volume Button

Use this button to adjust the volume of microphone (if connected with video presenter).

■ Adjusting Sharpness/Automatic Focus

- If you press [+] button the image gets sharper, and [-] button the image gets duller.

```
SHARP 10
```

- Automatic focusing
Press the [AF] button on the remote controller or [AF] button on the control panel.

- Manual focusing
Press the [Focus N/F] button on the remote control or [Focus +/-] button on the control panel.

> - If the distance to object is out of range or if the lens is not attached properly, auto focusing may not work. At this time, check it again.
> - Focusing distance with adapter lens attached : 24~32cm
> - Focusing distance without adapter lens: 80cm~ ∞

When the Auto focusing may not work properly

- Object in a dark area
- The background is too bright
- When some objects being close to the lens and others being far away at the same time.
- Object with little difference in brightness such as wall or air
- Repeated horizontal or vertical lines.
- Object standing behind the window is stained with spot or water drop
- Object reflecting a strong beam
- When the wire net or screen close to lens is piled up to the object in a distance

■ Preset button

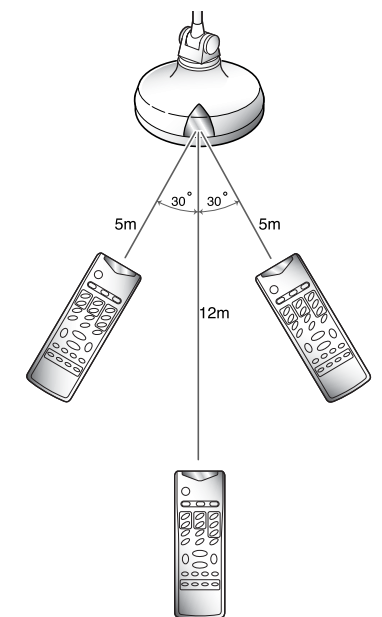Used to save the current status (Zoom, Focus, Lamp, Color etc).
When you use the video presenter on another place, you need not to repeat the same procedures but the saved status will be automatically set only by pressing the "Active" button.
Select the button (1~4) and press it within 4 seconds after pressing "Save/Active" button.

■ Adjusting Brightness

- Press [Bright +] or [Bright -] on remote controller or [Iris +] or [Iris -] on the control panel.
- Bright (Iris) + : When the image of object is dark
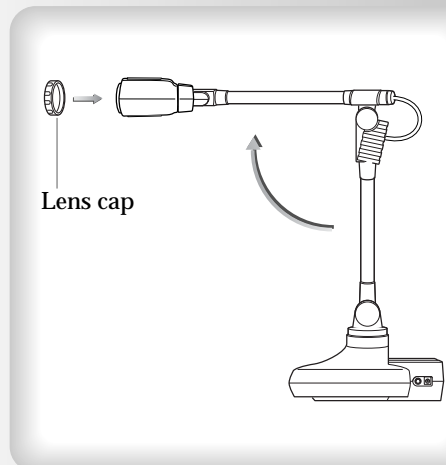- Bright (Iris) - : When the image of object is bright
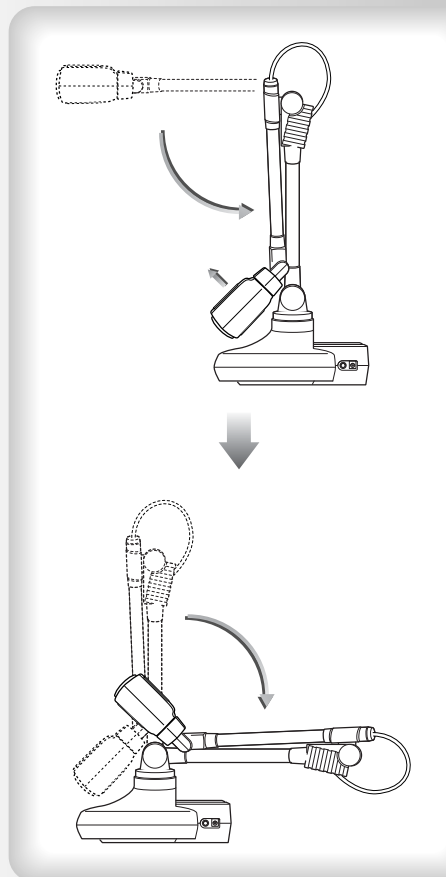
The operating range of remote controller

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PRECAUTIONS AND STORAGE

Storage

1. Stretch the camera head as shown and cover the lens cap.
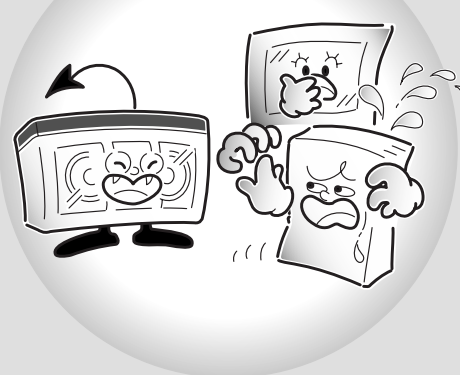
Lens cap

2. Fold the presenter as shown.

Safety Precautions

It is illegal to make a copy of a film, photograph, or book protected by the copyright without permission.

When moving the presenter, fold the presenter a little and hold as shown.

Do not apply excessive force on the external cable.

Be careful not to drop.

Do not put or drop a heavy thing on it.

When the presenter needs cleaning, wipe it with soft and dry cloth.

Do not use benzene or thinner to clean the presenter.

When you don't use it for a long time, pull out the power cord and keep it with a cover.

Do not use the presenter in a humidity place. Be careful not to spill a liquid on it.

TROUBLESHOOTING

? Image is not displayed.

!
- Check the brightness is properly adjusted.
- Check the video cable is correctly connected with the video output terminal.

? Image is not focused on the screen

!
- Check the lens is properly attached to the camera.
- Press "**AF (Auto Focus)**" button for automatic focusing.
- Check the object is placed too close.

? The image of slide or negative film is not displayed.

!
- Check the lightbox turns on.
- Set the camera lens facing the film.
- Check the lens is properly attached.
- Check if you set the "**NEGA/POSI**" button correctly.

? Head lamp will not light up as soon as you press "LAMP" button.

!
- It is a normal because the built-in protection circuit is activated to protect the lamp circuit.

If you still have any problems, contact to your dealer to ask service.

? The presenter will not operate by remote controller.

!
- Check the battery cells in the remote controller. If they are used up, replace new ones.
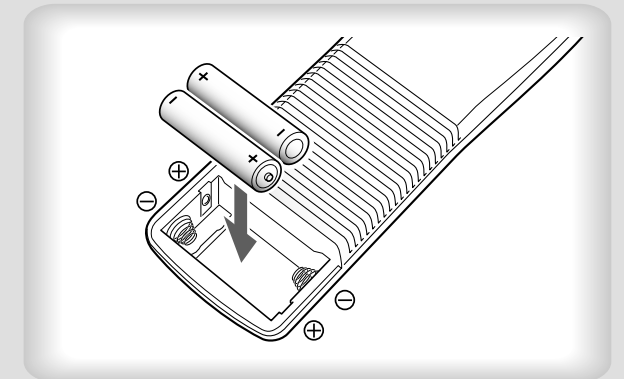
Installing or Replacing Battery on Remote Control

1. Remove the cover of battery compartment at the back of remote controller.
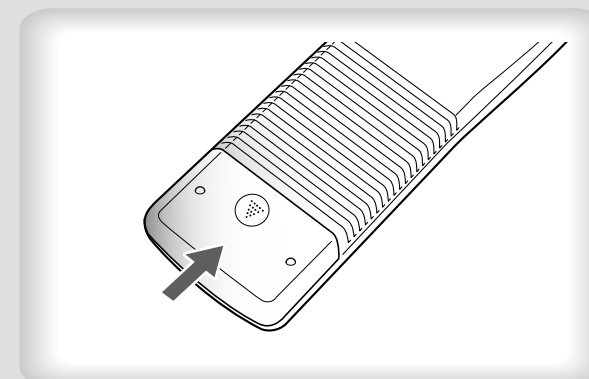
2. Insert the battery cells in the battery compartment as positive(+) ends contact the positive terminals.

• Battery cell type: AAA type 1.5V

3. Put the cover in place.

Caution
Random replacement of built-in battery by other types of batteries may cause explosion. Thus, the battery shall be replaced by the same battery. And the used batteries shall be disposed carefully because they can cause environment pollutions.